ABSTRACT

Featured is a method and system for cleaning abrasive sanding and/or planing media, for example sandpaper, wide belt sanding belts, planers, grinding wheels or other abrasive surfaces while the media is either in-situ in the sanding, planing, grinding equipment or when removed. Additionally, the cleaning featured method and system can clean the media while the abrasive media is being used as well as when the abrasive media is not being used. In the cleaning method dry ice (CO_2 , solid carbon dioxide) particles are propelled towards the abrasive surface at a high velocity so the dry ice particles impact on the surface of the abrasive media at a high velocity. Additionally, the dry ice (CO_2, solid carbon dioxide) particles are propelled as to impact the abrasive surface at varying angles and locations as necessary to effectively clean the abrasive surface. Further, the dry ice particles are propelled towards the abrasive media when it is in motion, for example rotating, so the dry ice particles impact the abrasive media at different locations of the media. The method and system allow the abrasive media to be cleaned while the abrasive media is being used for its' intended purpose. Thereby reducing equipment downtime usually associated with cleaning and/or changing the abrasive media due to becoming dirty and/or worn.

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